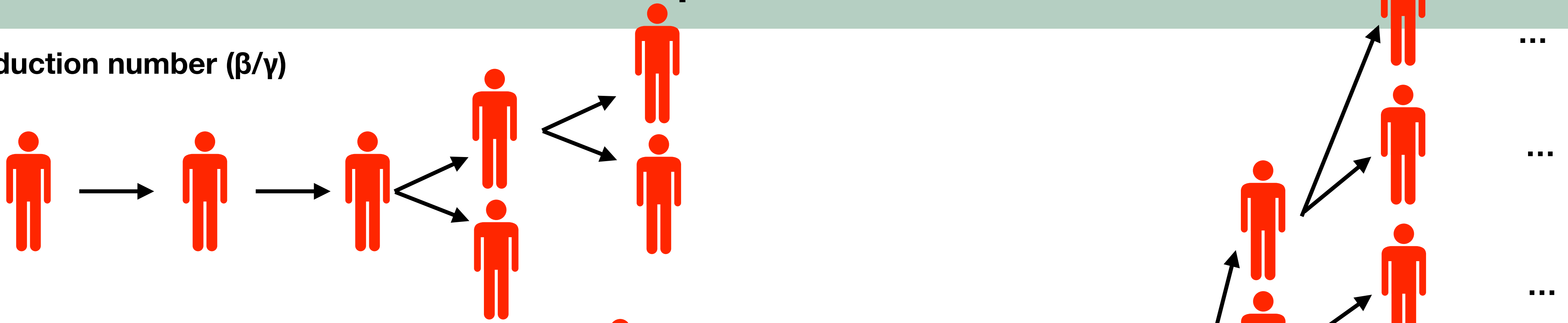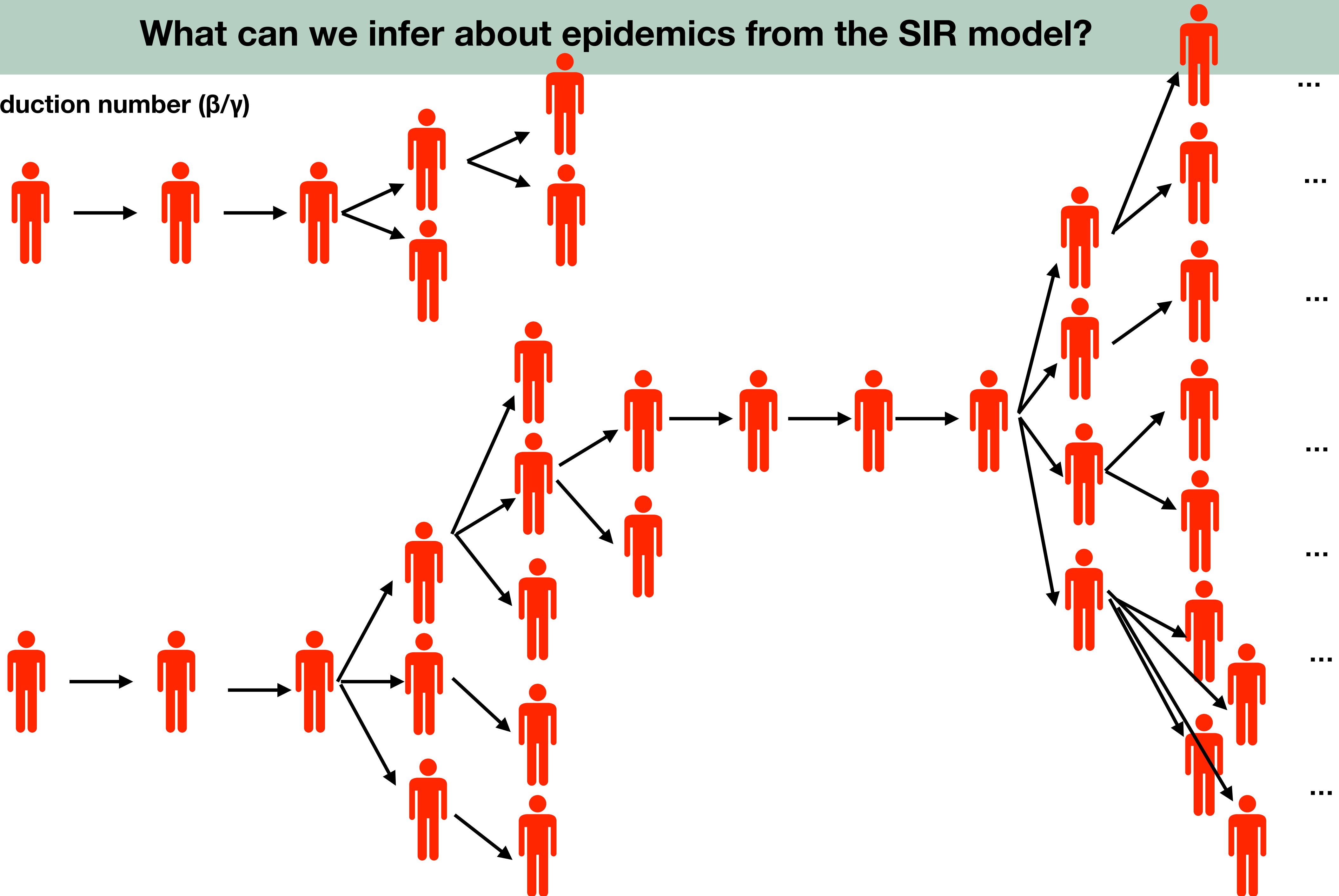What can we infer about epidemics from the SIR model?

The basic reproduction number (β/γ)

$R_0 = 0.9$

$R_0 = 1.5$

What can we infer about epidemics from the SIR model?

Herd immunity

$R_0 = 3$